

SWITCHING AMPLIFIER ARCHITECTURE

ABSTRACT

A supply voltage and/or bias of a switching amplifier is modified based on at least one characteristic of the input signal relative to a threshold level. A binary waveform converter converts the input signal into a binary waveform for inputting into the switching amplifier. The switching amplifier amplifies the input signal, while the supply voltage and/or bias is modified in response to changes of the at least one characteristic of the input signal.